

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 4006-052204 U.S. APPLICATION NO. (if known see 37 CFR 1.5) <b>107542822</b>
INTERNATIONAL APPLICATION NO. PCT/US2004/001489	INTERNATIONAL FILING DATE 21 January 2004 (21.01.2004)	PRIORITY DATE CLAIMED 21 January 2003 (21.01.2003)
TITLE OF INVENTION USE OF PASSAGEWAYS THROUGH POROUS MEMBRANES		
APPLICANT(S) FOR DO/EO/US Roy H. HAMMERSTEDT et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <b>Items 11 to 20 below concern document(s) or information included:</b> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

JC12 Rev. 11/2004 PTO 20 JUL 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/542822</div>		INTERNATIONAL APPLICATION NO. PCT/US2004/001489		ATTORNEY'S DOCKET NUMBER 4006-052204	
20. Other items or information: Letter Recognizing Attorneys (2 pp.)					
The following fees have been submitted				CALCULATIONS      PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))				\$ 200	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200				\$ 100	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500				\$ 0	
<b>TOTAL OF 21, 22 and 23 =</b>				600	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				\$ 0	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
46 - 100 =	0 /50 =	0	x \$250		
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$ 130	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	24 - 20 =	4	x \$ 50	\$ 200	
Independent claims	1 - 3 =	0	x \$200	\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 930	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				465	
<b>SUBTOTAL =</b>				\$ 465	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+ \$ 0	
<b>TOTAL NATIONAL FEE =</b>				\$ 465	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	
<b>TOTAL FEES ENCLOSED =</b>				\$ 465	
				Amount to be refunded:	\$
				Amount to be charged	\$

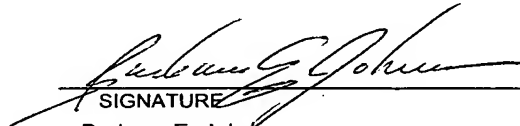
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- a. ☒ A check in the amount of \$ 465 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-0650. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

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SIGNATURE

Barbara E. Johnson

NAME

31,198

REGISTRATION NUMBER

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

ATTORNEY'S DOCKET NUMBER

ROY H. HAMMERSTEDT et al.

4006-052204

ENTITLED

**"USE OF PASSAGEWAYS THROUGH POROUS MEMBRANES"**

MAIL STOP PCT

Attention: DO/EO/US

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**EXPRESS MAIL CERTIFICATE**

"Express Mail" Label Number EL971227400US

Date of Deposit July 20, 2005

I hereby certify that the following attached paper or fee

**TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 (3 pp. – in triplicate); LETTER RECOGNIZING ATTORNEYS (2 pp.); and check in the amount of \$465.00; and postcard.**

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Rose M. Collier

(Typed name of person mailing paper or fee)

Rose M. Collier

(Signature of person mailing paper or fee)

PATENT APPLICATION/PCT  
Customer Number 28289  
Attorney Docket No. 4006-052204

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of :  
Roy H. HAMMERSTEDT et al. :  
  
International Application : USE OF PASSAGEWAYS THROUGH  
No. PCT/US2004/001489 : POROUS MEMBRANES  
  
International Filing Date :  
21 January 2004 :  
  
Priority Date Claimed :  
21 January 2003 :  
  
Application No. Not Yet Assigned :  
  
Filed Concurrently Herewith :

Pittsburgh, Pennsylvania  
20 July 2005

LETTER RECOGNIZING ATTORNEYS

Commissioner for Patents  
MAIL STOP PCT  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed are appropriate papers for initiating the national phase of the above-identified PCT application.

Please accept the application for purposes of granting a filing date and recognize the attorneys associated with Customer No. 28289, respectively, as attorneys in this application, pending the filing of a formal Declaration and Power of Attorney.

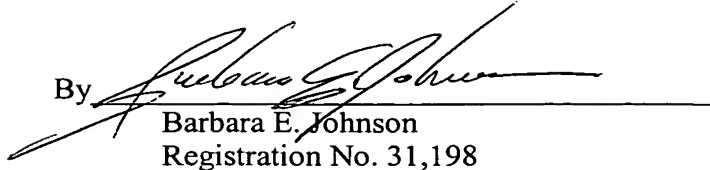
Kindly direct all communications relating to this application to

Customer No. 28289.

Respectfully submitted,

THE WEBB LAW FIRM

By

A handwritten signature in black ink, appearing to read "Barbara E. Johnson", is written over a horizontal line.

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Attorney Docket No. 4006-052204